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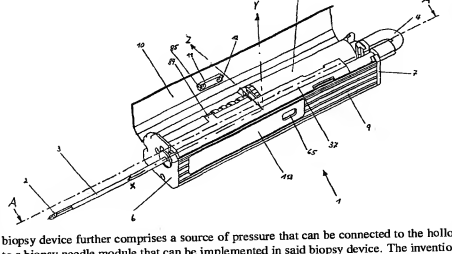
(54) Title: BIOPSY DEVICE AND BIOPSY NEEDLE MODULE THAT CAN BE INSERTED INTO THE BIOPSY DEVICE

(54) Bezeichnung: BIOPSIEVORRICHTUNG SOWIE EIN IN DIE BIOPSIEVORRICHTUNG EINSETZBARES BIOPSIENADELMODUL



(57) Abstract: The invention relates to a handheld-type (1) biopsy device for removing tissue, comprising at least one tensioning and launching device in the form of a tensioning slide (28) for a biopsy needle unit, said tensioning and launching device being impinged upon by spring power. The biopsy needle unit is provided with an outer hollow needle (3) comprising a cutting blade (2) that is presharpened at the distal end thereof and a hollow biopsy needle (2) which is mounted inside the hollow needle and comprises a space (71) for removing a tissue sample in the distal end area thereof. The outer hollow needle is slidably mounted relative to the hollow biopsy needle. The inventive biopsy device further comprises a source of pressure that can be connected to the hollow biopsy needle. The invention also relates to a biopsy needle module that can be implemented in said biopsy device. The invention is characterized by the fact that the handle comprises a housing inside which the following parts are integrated in a fixed manner: at least one first and second drive unit (21, 58); the tensioning slide which can be connected to the first drive unit so as to interact therewith such that the tensioning slide can be moved into a state of tension and locked in said state. The housing also comprises at least one cover (10). The following parts can be detachably integrated in a fixed manner inside the housing when the cover of the housing is in an open position: the biopsy needle unit that is mounted in a biopsy needle support (37) which can be connected at least to the tensioning slide (28) so as to interact therewith, the distal areas of the outer hollow needle and the hollow biopsy needle that is used for removing tissue protruding from the housing; and the source of pressure which is connected in a gas-tight manner to the hollow biopsy needle in the proximal area thereof via a least one connecting line (4) and can be connected to the second drive unit so as to interact therewith such that one level of pressure is generated. At least part of the connecting line is disposed inside the housing.

(57) Zusammenfassung: Die Erfindung bezieht sich auf eine Biopsievorrichtung zur Gewebeentnahme in Art eines Handstückes (1) mit zumindest einer federkraftbeaufschlagbaren Spann- und Abschussvorrichtung in Form eines Spannschlittens (28) für eine Biopsienadeleinheit, die eine äussere Hohlnadel (3) mit einer distalseits angeschärften Schneidklinge (2) sowie eine im Inneren der Hohlnadel gelagerte, hohle Biopsienadel (2) mit einem an ihrem

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